



## Centre for Research & Development

### Research Supervisor (Guide) Profiles

#### Discipline of Supervision: **Botany**



#### **Dr. Sivagamasundari U**

Associate Professor  
Department of Life Sciences  
School of Biological & Forensic Sciences

#### **Areas of Specialisation:**

Botany, Agricultural Microbiology, Bacterial Endosymbionts,  
Plant tissue culture

Dr. Sivagamasundari U serves as an Assistant Professor in the Department of Life Sciences at Kristu Jayanti College (Autonomous), Bengaluru. She completed her undergraduate and postgraduate studies in Botany at Pondicherry University, where she secured University First Rank and was awarded Gold Medals for her outstanding academic performance. She went on to earn her Ph.D. in Botany from Annamalai University, Chidambaram, Tamil Nadu, further strengthening her academic and research expertise. She is a recipient of the prestigious UGC-SAP BSR Meritorious Fellowship, recognizing her academic excellence and research potential. With over a decade of teaching experience in Life Sciences, she has made significant contributions to both education and research. She has authored 21 research articles published in reputed national and international peer-reviewed journals, secured one patent, and contributed to a book publication. Her areas of specialization include Plant Sciences, Agricultural Microbiology, Bacterial Endophytes, and Plant Tissue Culture. She is committed to fostering scientific curiosity and innovation among students while actively engaging in research that promotes sustainable and eco-friendly biological practices.

#### **Selected Publications:**

1. Thiyagarajulu, N., Yuvaraj, D., Gopinathan, P., Paramasivam, D., Rajkumar, M., Subramani, T., Rangappa, E. S., **Sivagamasundari, U.**, & Huang, Z. (2025). Assessment on Sustainable Biomining: Integrating Environmental Responsibility and Economic Viability. *Land Degradation & Development*, 37(1), 3–27. <https://doi.org/10.1002/ldr.70107>
2. Shoba, E. R., **Sivagamasundari, U.**, Devi, V. V., Josely, A. E., Afreen, J. I., & Valiyapurayil, K. M. (2023). Phytochemical analysis of *Baliospermum montanum* leaves and evaluation of In vitro anticoagulant, antioxidant and anticancer properties. *Medicinal Plants - International Journal of Phytomedicines and Related Industries*, 15(2), 344–353. <https://doi.org/10.5958/0975-6892.2023.00034.5>
3. Ismail, S. P. I., & **U Sivagamasundari, S.** (2021). Survey on crop varieties and agricultural practise of Karnataka. *Current Trends in Biotechnology and Pharmacy*, 15(5), 519–523. <https://doi.org/10.5530/ctbp.2021.3s.49>